

Rockwell/Delta 14" Radial Arm Saw

Description	Radial Arm Saw – Model 14-RAS
Size / Horse power	14" Blade / 3/4 HP / 3450 RPM
Power source	220 volt through plugged power cord
Uses	Precision cut wood, plywood, plastic panels to size

Safety Precautions

Hazards
Severe cuts, potential for amputation
Flying debris (potential eye and face damage)
Electrical shock
Entanglement of hair, jewelry, or clothing
Material kickback
Training
Shop Safety Fundamentals
Site Specific Training
Protective Equipment
Safety glasses
Hearing protection



Operation

Startup

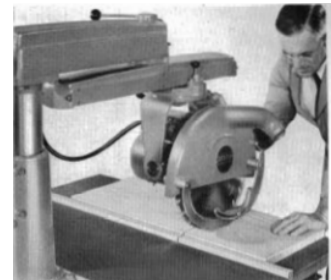
1. Put on PPE listed above
2. Inspect tool for damage or obstructions to operation
3. Ensure work area is clean and free of obstacles
4. Ensure all guards are present and function properly
5. Make necessary adjustments for safe operation – blade height and angle, fence or miter gauge settings
6. Turn "ON" saw using power switch located on the front of the saw
7. Begin work

Shutdown

1. Turn "OFF" tool using power switch located on the front of the saw
2. Allow saw to come to a complete stop on its own
3. Remove cut pieces after blade has stopped

Cross Cut

1. Set arm at right angle to the guide fence, at 0° on the miter scale
2. With the miter latch in column slot at 0° position, securely lock arm with arm clamp handle
3. Place material on worktable, against guide fence
4. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence



Miter Cut

1. Pull arm clamp handle and swing saw into desire angle shown on the miter scale
2. Then miter latch locates the popular left and right angles automatically
3. Push clamp handle down to lock the arm
4. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence



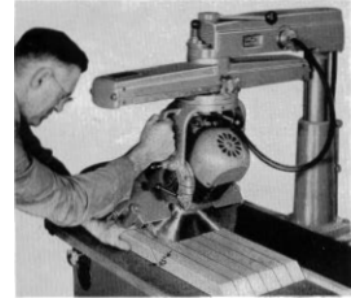
Rip Cut

1. Start with the arm locked in the cross-cut position
2. Pull the motor to the end of the arm, pull the yoke clamp handle against pin lifter
3. Revolve motor 90° and lock the yoke clamp. Lock saw carriage by tightening rip lock against the side of the arm
4. Adjust safety guard so that it almost touches the material. Lower the kickback assembly so that the fingers are 1/2" lower than the material
5. With material against guide strip, feed material evenly into the saw blade

The following cuts are considered to be Advanced Techniques for radial arm saws. Authorization and site-specific training must be obtained before using these techniques.

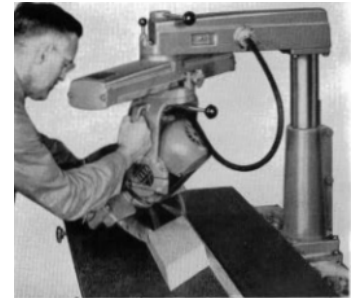
Bevel Cut

1. Start in the cross-cut position
2. Elevate the saw using the height adjustment crank
3. Release the bevel clamp handle and tilt the motor and yoke to angle desired on bevel scale (locking pin locks in at 0°, 45° and 90°)
4. Lower the saw to the desired depth using the height adjustment crank
5. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence



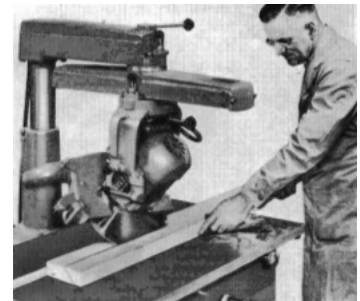
Compound Miter Cut

1. Start in the bevel cut position
2. Pull the arm clamp handle and swing the arm into the desired miter position
3. Relock the arm clamp handle
4. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence



Bevel Rip

1. Start in the Bevel cut position
2. Place the saw into the rip cut position and (using rip lock) lock securely against the arm at desired point
3. Lower the guard at the in-feed position, adjust the kickback device
4. Feed material evenly and firmly against the guide



Maintenance

Storage	
Accessories	
Care	<ul style="list-style-type: none">• Saw must be unplugged or have the power switch toggle locked out when changing blades. These changes must be performed by authorized personnel only• Install blade with teeth pointing toward operator (rotating toward table top)